

Sobolev, Yu. P.

Maccioni

539.164 : .539.152.1

ALPHA-DECAY OF Pu^{240} J.N.Kondraten'ev, G.I.Novikova.

Y. P. Hahn and L. L. Cowdin

Zhur. teor. fiz., Vol. 31, No. 5(11), 771-4 (1956). In Russian.

Results of Investigation of the α -spectrum of Pu^{240} using an

α -spectrometer are described. The α -spectra and level scheme of the U^{238} nucleus are presented. The parameters of the $4\pm$ level were determined with greater precision than previously; an α -line corresponding to transition to the $8\pm$ level has been detected for the first time and the parameters of this level were measured. Two weak lines have been detected which can be attributed to α -decay of Pu^{240} . The experimental values for the intensity of the $0\pm$, $2\pm$, $4\pm$ and $6\pm$ levels are compared with Landau's theoretical formula.

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VRM

R M 2

PHASE I BOOK EXPLOITATION 963

Panov, Vladimir Vladimirovich and Sobolev, Yuryi Sergeyevich
Smazochnyye masla dlya aviatsionnykh gazoturbinnykh dvigateley (Lubricants For Aircraft Turbine Engines) Moscow, Gostoptekhizdat, 1958. 94 p. 4,000 copies printed.

Ed.: Yeffimova, T.D.; Tech. Ed.: Solomonidin, S.M.

PURPOSE: This book is intended for scientists, engineers, and technicians participating in the study, testing, manufacture, and application of lube oils for aircraft gas turbine engines.

COVERAGE: The authors review the achievements in the field of gas turbine lubrication. They discuss physicochemical properties of the basic types of petroleum and synthetic oils and consider current trends in the search for high grade oils for gas turbine engines. An analysis is made of the application of lubricating oils, their requirements, their performance, and changes which occur in them due to working conditions. The authors thank E.I. Frankenshteyn, B.D. Zaloga, and L.I. Saranchuk for advice and critical comments. Chapters 1 and 2 of this book were written by Yu.S. Sobolev, and Chapters 3, 4, and 5 by V.V. Panov. There are 31 tables, 27 figures, and 73 references of which 46 are Soviet, 26 English,

Card 1/5

Lubricants For Aircraft Turbine (Cont.)

963

and 1 German.

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Preface

Introduction

Ch. 1. Purpose and Working Conditions of Oils in Gas Turbine Engines	3
Lubrication system in a gas turbine engine	12
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SOV/124-58-8-8388

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 8, p 6 (USSR)

AUTHORS: Yershov, B.A., Sobolev, Yu.S.

TITLE: Stability Criteria for Nonlinear Dynamic Systems Subjected to Large Initial Perturbations (Primery ustoychivosti v bol'shom nekotorykh dinamicheskikh sistem)

PERIODICAL: Uch. zap. LGU, 1957, Nr 217, pp 17-21

ABSTRACT: Some criteria are adduced for the stability of nonlinear systems subjected to large initial perturbations. The evolvement of these stability criteria is based on certain considerations put forth by S.A. Stebakov (Dokl. AN SSSR, 1954, Vol 95, Nr 3). We cite one of the criteria as an example. Conditions sufficient for the asymptotic stability of the system

$$\dot{x}_i = f_i(x_i, x_{i-1}) A_i x_i + B_i x_{i-1} + \phi_i(x_i, x_{i-1}) \quad (i=1, \dots, n)$$

wherein

$$A_i = (\partial f_i / \partial x_i)_{x_i=0} \quad , \quad B_i = (\partial f_i / \partial x_{i-1})_{x_i=0}$$

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$$x_{i-1} = 0$$

$$x_{i-1} = 0$$

SOV/124-58-8-8388

Stability Criteria for Nonlinear Dynamic Systems (cont.)
are given by the inequalities

$$\left| \frac{\partial f_i}{\partial x_i} / \frac{\partial f_i}{\partial x_{i-1}} \right| > \left| \frac{A_i}{B_i} \right|$$

$$A_i < 0, \quad \prod_{i=1}^n \left| \frac{A_i}{B_i} \right| > 1$$

Reviewer's comment: The proofs adduced in the paper are incomplete. For some of the systems examined (example 3) the literature contains more general stability criteria. Replacing the standard terminology associated with the second Lyapunov method by such terms as "Ω -shell", "inward conductivity", etc., is deemed unjustified, inasmuch as the problems considered by the author are well within the ambit of the ordinary Lyapunov stability problems.

N.N. Krasovskiy

Card 2/2

SOBOLEV, Yu.S. (Leningrad)

Absolute stability of certain control systems [with summary in English]. Avtom. i telem. 20 no.4:401-405 Ap '59.

(MIRA 12:5)

(Automatic control)

SOBOLEV, Yu.S.; KHOKHLOV, K.K., otv. red.; BLANK, M.G., red.

[Calculating statically indeterminate frames by the
method of forces; manual for carrying out practical
studies in the course on the resistance of materials]
Raschet staticheski neopredelimykh ram metodom sil; ru-
kovodstvo k vypolneniiu prakticheskikh zadaniy po kursu
soprotivleniya materialov. Moskva, Mosk. lesotekhn. in-t
1963. 63 p. (MIKA 17:5)

SOBOLEV, Yu.S., assistent

Plane problem in the theory of elasticity for wood as a transverse
isotropic material. Nauch. trudy MFTI no.8:5-15 '58.

(MIRA 13:3)

(Elasticity) (Wood)

SAMUYLLO, V.O., dots. kand. tekhn. nauk; SOBOLEV, Yu.S., assistent

Elastic constants for wood. Nauch. trudy MITI no.8:16-35 '58.
(MIRA 13:3)

(Wood) (Elasticity)

SOBOLEV, Yu. S., Candidate Tech Sci (diss) -- "Investigation of the elasticity constants of wood". Moscow, 1959. 11 pp (Min Higher Educ USSR, Moscow Forestry Engineering Inst), 125 copies (KL, No 23, 1959, 168)

KHOKHLOV, K.K.; SOBOLEV, Yu.S.

Calculating the strains in the wooden elements of barrels for
liquids. Der.prom. 11 no.5:15-16 My '62. (MIRA 15:5)
(Barrels) (Strains and stresses)

SOBOLEV, Yu.S.

Method of multipoint measurement of longitudinal deformation of
wood subjected to compression. Zav.lab. 28 no.5:613-614 '62.
(MIRA 15:6)

1. Moskovskiy lesotekhnicheskiy institut.
(Wood--Testing) (Deformations (Mechanics))

S. SOBOLEV, Yu. V.

AID P - 5220

Subject : USSR/Aeronautics - meteorology
Card 1/1 Pub. 135 - 6/26
Authors : Belousov, V. M., Eng.-Lt. Col., Yu. V., Sobolev, Eng.-Maj.,
and S. M. Sadovskiy, Eng.-Maj.
Title : Our experience in meteorological safeguarding of flights
under complex conditions.
Periodical : Vest. vozd. flota, 11, 28-33, N 1956
Abstract : Organization of meteorological service for the safe-
guarding of flights in Soviet Air Force units is described
by the authors. The article is of informative value.
Institution : None
Submitted : No date

SOBOLEV, Yu.V., aspirant

Investigating stability of eccentrically compressed steel bars
with dissimilar eccentricities. Nauch.dokl.vys.shkoly; stroi.
no.2:143-153 '58. (MIRA 12:1)
(Steel, Structural)

SOBOLEV, Yu. V. Cand Tech Sci -- (diss) "Study of the maximum carrying capacity of compression-bent steel rods." Mos, 1959. 21 pp with ■ graphs (Min of Higher and Secondary Specialized Education RSFSR. Mos Order of Labor Red Banner Construction Engineering Inst im V. V. Kuybyshev), 150 copies (KL, 46-59, 138)

42
-43-

SOBOLEV, Yu.V. (Moskva)

Calculation of the maximum bearing capacity of an eccentrically
compressed bar. Stroi.mekh.i rasch.soer. 3 no.2:29-34 '61.
(MIRA 14:5)
(Elastic rods and wires)

SOBOLEV, Yu.V. (Moskva)

Calculation of graduated columns. Stroi. mekh. i rasch. soor.
4 no.2:30-36 '62. (MIRA 15:5)
(Columns)

KOMI: 2-28-1967, Kedah, Malaya; SKRYPEN, I.C., Inst.

... of the operation of traffic circuits in sectors with reinforced
repeater. Avtum., telem. i sviaz' no.7:12-14, Jl '65.
(MERA 18:8)

SOBOLEV, Z.A. (st. Inskaya)

Protecting blades for snow-removal machinery. Put' i put. khoz.
no.9:42 S '58. (MIRA 11:9)
(Railroads--Snow protection and removal)

SOBOLEVA, A., mladshiy nauchnyy sotrudnik (Tashkentskaya oblast')

Virus is transferred by seeds. Zashch. rast. ot vred. i bol.
10 no. 5:59 '65. (MIRA 18:6)

12.1. N. s.n., sanitarnyy vrach; SOBOL'YEVA, A.P., sanitarnyy vrach.
12.2. SNEKO, A.K., sanitarnyy vrach

Prevention of epidermophytosis in bath houses and swimming pools.
Y. i san. 22 no.4:71-73 Ap '57. (MLB 10:9)

in sanitarno-epidemiologicheskoy stantsii Zhdanovskogo rayona
Leningrad

(SWIMMING POOLS

ringworm control (Rus))

(PUBLIC HEALTH,

bath houses, prev. of ringworm (Rus))

(RINGWORM, prevention and control,

in bath houses & swimming pools (Rus))

SAKSIN, V.F.; SOBOLEVA, A.A.

Iodometric determining of indium. Khim. i khim. tekhn. l:
229-231 '62. (MIRA 17:2)

SO RUE L/TT/11/15

I-2

USSR/Physiology of Plants. Photosynthesis.

Abs Jour: Ref. Zhur-Biologiya, No 1, 1958, 1133.

Author : Soboleva, A.B.

Inst : Khar'kov University.

Title : The Chlorophyll and Carotene Content of Leaves and Plants.

Orig Pub: Uch. zap. Khar'kovsk. un-t, 1956, 72, 29-36.

Abstract: In graftings between Marglob tomatoes and Delikates eggplants the content of chlorophyll (Getri's method with Godnev and Tern'yev's modification) and carotene (Savinov and Lushchenskaya's method) was determined by using an electrocolorimeter over the whole of the vegetation period both at the place of the graft and in the seed generation deriving from numerous graftings in the second (from the top) pair of leaves. The tomatoes contained more pigments than the eggplants. The maximum pigment content was noted in the flowering phase. In grafts of the direct and inverse combinations of graftings a lowering of the pigment con-

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USSR/Physiology of Plants. Photosynthesis. CIA-RDP86-00513R001651910002-6"

Abs Jour: Ref. Zhur-Biologiya, No 1, 1958, 1133.

tent, in comparison with the control, was noted. When the place of the graft was used [for the measurements] the changes were greater in the growth of the germinated seeds and of the two cotyledons than in the flowering phase. Increasing the number of graftings led, in eggplants, to an augmentation of the quantity of pigments, and in tomatoes, to their decrease. In the seed generations of from one- to four-fold graftings the content of chlorophyll and carotene in the leaves, and the content of carotene in the fruits fell by comparison with the control in tomatoes, and increased in eggplants.

Card : 2/2

-19-

SOBOLEVA, A.D.

"Concerning the Morphological Modifications of Lymphatic Glands in Cases of Prolonged Suppuration." Thesis for degree of Cand. Medical Sci. Sub 13 June 50, Acad Med. Sci. USSR.

Summary 71, 4 Sept. 52. Dissertations Presented for Degrees in Science and Engineering in Moscow in 1950. From Vechernaya Moskva, Jan-Dec. 1950.

KRAYEVSKIY, N.A. (Moscow); SOBOLEVA, A.D. (Moscow); BAGDASAROV, A.A., chlen-korrespondent Akademii meditsinskikh nauk SSSR, direktor.

Patho-anatomic characteristics of leucoses and problems of their classification. Arkh.pat. 15 no.3:22-32 My-Je '53. (MLRA 6:11)

1. Tsentral'nyy ordena Lenina institut hematologii i perelivaniya krovi. (Leucosis)
2. Akademiya meditsinskikh nauk SSSR (for Bagdasarov).

~~SOBOLEVA, A.D. (Moscow); DAVYDOVSKIY, I.V., deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR, zaveduyushchiy.~~

Rupture of the interventricular septum due to myocardial infarct. Arkh.pat.
15 no.4:78-81 Jl-Ag '53. (MLRA 6:11)

1. Kafedra patologicheskoy anatomii II Moskovskogo meditsinskogo instituta
im. I.V.Stalina. 2. Akademiya meditsinskikh nauk SSSR (for Davydovskiy).
(Heart--Inarction)

SOBOLEVA, A.D.

Modifications in the lymph nodes in prolonged suppuration of
wounds in the light of the theory of traumatic exhaustion.
Arkh.pat. 17 no.1:62 Ja-Mr '55. (MLRA 8:10)

1. Iz kafedry patologicheskoy anatomii (zav.-deystvitel'nyy
chlen AMN SSSR I.B.Davydovskiy) II Moskovskogo meditsinskogo
instituta imeni I.B.Stalina.)

(WOUNDS AND INJURIES, pathology,
lymph node pathol. in prolonged suppuration)
(LYMPH NODES, pathology,
in wound prolonged suppuration)

EXCERPTA MEDICA Sec.5 Vol.9/10 Gen.Pathology Oct 56

3000. SOBOLEVA A.D. Moscow. "Pulmonary changes in leucosis following modern therapy (Russian text) ARKH. PATOL. (Moscow) 1956, 13/1 (54-56)

Investigations covered 25 leucotic deaths (19 died of chronic myelosis and 6 of lymphadenoma). The patients had been treated with urethane, embichine and by X-rays. The characteristic leucostasis in the pulmonary vessels and capillaries was completely lacking; hilar lymph nodes were seldom affected (2 cases). Modern treatment of leucosis often causes destructive vascular changes in the pulmonary circulation, with plasmorrhagia, pulmonary infarction and erythrocytic haemolysis. Another striking feature was the frequent occurrence of corpora amylacea which may be breakdown products from alveolar epithelial cells.

Brandt - Berlin (V, 15, 16)

EXCERPTA MEDICA Sec.5 Vol.10/4 Gen.Pathology Apr 57

II21. SOBOLEVA A.D. Lab. of Prof. Davidoff, Moscow. *Relationships between pulmonary tb and leucosis (Russian text) ARKH. PATOL. 1956, 18/4 (26-28) Tables 1

Among the 352 cases of leucosis (1950-1953) encountered in pathological institutes in Moscow (autopsies on children excluded), tb was simultaneously present in only 39 (11%). Exudative-cavitory forms of tb were scarce, which is attributed to a decreased leucocytic reaction and to obstruction of the lymphatic ducts in leucosis. The tuberculous process leads to a severe and atypical course of the leucosis. So-called 'rejuvenescence of the leucosis' is not a specific phenomenon of tb, but is also observed in urethan therapy or embichin therapy. Brandt - Berlin (V, 15, 16)

YES IPOVA, I.K., SOBOLEVA, A.D.

A case of unusual congenital cardiac defect (ventricular dextro-division with tricuspid atresia) with absence of the spleen and location of the liver of the left side [with summary in English]
Arkh.pat. 20 no.5:72-76 '58 (MIRA 11:6)

1. Iz patologoanatomiceskoy laboratorii Instituta grudnoy khirurgii AMN SSSR (dir. - deystvitel'nyy chlen AMN SSSR prof. A.N. Bakulev).
(CARDIOVASCULAR DEFECTS, CONGENITAL, case reports,
ventric. dextro-division with tricuspid atresia,
absence of spleen & left liver location (Rus))
(LIVER, abnormalities,
left location with ventric. dextro-division, tricuspid
atresia & absence of spleen (Rus))
(SPLEEN, abnormalities,
absence with ventric. dextro-division, tricuspid
atresia & left location of liver (Rus))

MESHALKIN, Ye.N., SOBOLEVA, A.D. (Moskva)

Unusual case of cardiac-diverticulum in a 6-year-old girl.
[with summary in English]. Arkh.pat. 20 no.9:74-78 S'58 (MIRA 11:10)

1. Iz patologoanatomicheskoy laboratorii (zav. - prof. I.K. Yesipova).
Instituta grudnoy khirurgii AMN SSSR (dir. - akademik A.N. Bakulev)
(HEART, diverticula,
case in child (Rus))

GENIN, N.M. (Moskva, ul. Arbat, 54/2, kv.158); KOLESNIKOV, S.A.;
SOBOLEVA, A.D.; CHIKAREVA, G.A.

Mechanism of the formation of secondary mitral stenosis following commissurotomy. Grud.khir. 1 no.1:41-47 Ja-F '59.

(MIRA 13:6)

1. Iz Instituta grudnoy khirurgii (dir. - prof. A.A. Busalov)
Akademii meditsinskikh nauk SSSR.
(MITRAL VALVE--DISEASES)

SOBOLEVA, A.D. (Moskva)

Specific pulmonary lesions in leukemias. Arkh.pat. 21 no.5:30-34 '59.
(MIREA 12:12)

1. Iz laboratorii deystvitel'nogo chlena AMN SSSR prof. I.V. Davydovskogo.

(LEUKEMIA, pathol.

lungs, autopsy findings (Rus))

(LUNGS, pathol.

in leukemia, autopsy findings (Rus))

SOBOLEVA, A.D.

Disorders of the lymphatic system of the lungs in leukemia; a method
for staining the lymphatic vessels. Arkh. pat. 21 no.12:65-68 '59.
(MIRA 13:12)

(LEUKEMIA) (LYMPHATICS) (STAINS AND STAINING (MICROSCOPY))

SOV/32-25-2-28/78

7(6)

AUTHORS:

Gumilevskaya, G. P., Soboleva, A. I.

TITLE:

The Determination of the Annealing Period of Molding Powder
After the End of Luminescence (Opredeleniye dlitel'nosti
prokalivaniya pressporoshkov po ischezneniyu lyuminestsii)

PERIODICAL:

Zavodskaya Laboratoriya, 1959, Vol 25, Nr 2,
pp 182 - 184 (USSR)

ABSTRACT:

The properties of molding powders for coal electrodes are due to the annealing process; the amount of volatile components is proportionate to that of the binding substance. Annealing is done in a muffle furnace at $820 \pm 20^\circ$ for 30 minutes. A "short-cut" method is described in the present paper. The criterion for the volatile substance content is their luminescence. When irradiated with ultraviolet rays malthenes exhibit yellow-amber, asphaltenes dark brown luminescence, while carbenes do not luminesce at all. The time required for complete calcination is marked by the moment when luminescence of the coke residue ceases. The luminescence was determined on an apparatus (Fig) with a PRK-2 lamp.

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The Determination of the Annealing Period of Molding
Powder After the End of Luminescence

SOV/32-25-2-28/78

Molding powder made of a soot-pitch mixture Nr 1 was examined, annealing being carried out at $820 \pm 20^\circ$ for 5, 10, 20 and 30 minutes (Table 1). Reference analyses were carried out in two laboratories by laboratory workers Girina, Kolkina and Timakova. Maximum deviations amounted to 4.8%, the mean square deviation to 3.8-3.6% (Table 2). It was found that with an optimum annealing period of 10 minutes the accuracy of determination is increased by the use of a crucible support (suggested by A. V. Kuznetsova). There are 1 figure, 2 tables and 1 Soviet reference.

Card 2/2

YESIPOVA, I.X.; KOGOY, T.F.; SOBOLEVA, A.D.; CHEKAREVA, G.A.

Regeneration of the mitral valve following commissurotomy to
correct a rheumatic defect. Khirurgia 35 no.1:105-112 Ja '59.

1. Iz Instituta grudnoy khirurgii AMN SSSR (dir. - prof. A.N. Ba-
kulev) i kafedry patologicheskoy anatomii (zav. - prof. I.V. Davy-
dovskiy) II Moskovskogo meditsinskogo instituta imeni N.I. Pirogova.
(COMMISSUROTOMY,

mitral, postop. regen., autopay data (Rus))

SOBOLEVA, I.A.D. (Moskva, Leninskiy prospekt, d.13, kv.7)

Changes in the afferent vessels of the liver under conditions of
venous stasis in the vena cava inferior. Grud. khir. 2 no.5:
64-71 S-O '60. (MIRA 16:5)

1. Iz instituta eksperimental'noy biologii i meditsiny (dir. - prof.
Ye.N.Meshalkin, nauchnyy rukovoditel' - prof. I.K.Yesipova) Sibirskogo
otdeleniya AN SSSR.
(LIVER--BLOOD SUPPLY) (VENA CAVA--DISEASES)

GEL'SHTEIN, G.G.; YESIPOVA, I.K.; IVANITSKAYA, M.A.; KYANDARYAN, K.A.;
SAVEL'YEV, V.S.; SOBOLEVA, A.D.

Congenital defect in the development of the tricuspid valve
(Ebstein's disease). Klin. med. 38 no. 2:129-136 F '60.
(MIRA 14:1)
(TRICUSPID VALVE--ABNORMALITIES AND DEFORMITIES)

GEL'SHTEIN, G.G.; IVANITSKAYA, M.A.; LAGUTINA, A.I.; SAVEL'YEV, V.S.;
SOBOLEVA, A.D.; FROLOVA, L.F.

Rare congenital heart defect - cor triloculare biventriculatum. Klin.
med. 38 no. 68129-135 J. '60. (MIRA 13812)
(HEART--ABNORMALITIES AND DEFORMITIES)

GLADKOVA, M.A.; SOBOLEVA, A.D.; PIROGOV, A.I.

Metastases of lung cancer into the lymph nodes of the
thoracic cavity. Grud. khir. 1 no.5:59-65 S-0 '61. (MIRA 15:3)

1. Iz legochnogo otdeleniya (zav. - doktor meditsinskikh nauk
Ye.S. Lushnikov) Instituta grudnoy khirurgii AMN SSSR (dir. -
prof. A.A. Busalov, nauchnyy rukovoditel' - akademik A.N.
Bakulev). Adres avtorov: Moskva, Leninskiy prosp., d.8 Institut
grudnoy khirurgii AMN SSSR.

(LUNGS--CANCER)
(LYMPHATICS--CANCER)

SOBOLEVA, A. D.; KOGAN, R. P. (Moskva)

Rare congenital heart defect accompanied by glomerulonephritis.
Arkh. pat. no. 6:72-74 '61. (MIRA 14:12)

1. Iz Instituta grudnoy khirurgii AMN SSSR (dir. - prof. A. A. Busalov) i gorodskoy klinicheskoy bol'nitsy No. 1 imeni N. I. Pirogova (glavnnyy vrach - zasluzhennyy vrach RSFSR L. D. Chernyshov)

(HEART--ABNORMALITIES AND DEFORMITIES)
(KIDNEYS--DISEASES)

SOBOLEVA, A.D.

Sources of pulmonary leukemic infiltrations in leukosis; on the
problem of the pulmonary hemopoietic function. Probl.gemat.i
perel.krovi 6 no.4:24-29 Ap '61. (MIRA 14:6)

1. Iz Instituta eksperimental'noy biologii i meditsiny (dir. -
prof. Ye.N. Meshalkin) Sibirskogo otdeleniya AN SSSR i Tsentral'-
nogo ordena Lenina instituta hematologii i perelivaniya krovi
(dir. - deystvitel'nyy chlen AMN SSSR prof. A.. Bagdasarov).
Ministerstva zdravookhraneniya SSSR.
(LEUKEMIA) (LUNGS)

SOBOLEVA, A.D.

Reactive characteristics of pulmonary connective tissues under
different pathological conditions. Izv. Sib. otd. AN SSSR
no.10:148-149 '61. (MIRA 14:12)

1. Institut eksperimental'noy biologii i meditsiny Sibirskogo
otdeleniya AN SSSR, Novosibirsk.
(Lungs—Diseases)
(Connective tissues)

SOBOLEVA, A.D.; GEL'SHTEYN, G.G.; KFITILEVA, L.M.

Arteriovenous aneurysm of the right branch of the pulmonary artery
arising as a result of congenital heart defect - sinistral
division of the cardiac bulb. Arkh. pat. 23 no. 1:78-81 '61.
(MIRA 14:1)

(HEART—ABNORMALITIES AND DEFORMITIES) (FISTULA)
(PULMONARY ARTERY—ABNORMALITIES AND DEFORMITIES)

SOBOLEVA, A.D. (Novosibirsk)

Organ-specific characteristics of reactions of pulmonary connective tissue in leukemia, cancer, and nonspecific chronic inflammation. Arkh. pat. no.12:26-32 '62. (MIRA 18:1)

1. Iz laboratorii patologicheskoy morfologii (zav. - Yu.G. Tsellarius) ot dela eksperimental'noy biologii i patologii (zav. - prof. I.K.Yesipova) Instituta eksperimental'noy biologii i meditsiny (direktor prof. Ye.N.Meshalkin) Sibirskoye otdeleniye AN SSSR.

SOBOLEVA, Arjaana Dmitriyevna; TSELLARTUS, Yu.G., kand. med. nauk,
otv. red.; SNITSARENKO, A.A., red.

[Pathological anatomy of the lungs in leukemia] Patologicheskaya
anatomia legkikh pri leikoze. Novosibirsk, Red.
izd. otdel Sibirskogo otd-niya AM SSSR, 1964. 229 p.
(MIRA 17:8)

KOLESNIKOV, S. A.; SOBOLEVA, A. D.; CHEKAREVA, G. A. (Moskva)

Histogenesis of the structure of the heart in tetralogy of Fallot
(dextroposition of the bulbus of the heart). Arkh. pat. no.7:
62-67 '61. (MIRA 15:4)

1. Iz Instituta grudnoy khirurgii AMN SSSR (dir. - prof. S. A. Kolesnikov, nauchnyy rukovoditel' - akad. A. N. Bakulev) i kafedry patologicheskoy anatomii (zav. - deystvitel'nyy chlen AMN SSSR prof. I. V. Davydovskiy) II Moskovskogo meditsinskogo instituta imeni N. I. Pirogova.

(TETRALOGY OF FALLOT)

VOLKOVA, L.I.; SOBOLEVA, A.M.; ADAMOVA, T.K.

Raising geese in Latvia. Ptitsevodstvo 9 no.2:16-17 F '59.
(MIRA 12:3)

1.Direktor Rezeknenskoy inkubatorno-ptitsevodcheskoy stantsii
(for Volkova). 2.Direktor Daugavpilsskoy inkubatorno-ptitsevodcheskoy
stantsii (for Soboleva). 3.Glavnyy zooteknik respublikanskoy kontory
inkubatorno-ptitsevodcheskoy stantsii (for Adamova).
(Latvia--Geese)

SOBOLEVA, A. P.; NEGRI, B. S.;

Irrigation Farming - Ukraine

Feed supply for south Ukrainian steppes under irrigation. Korm. baza 3 no. 9, 1952.

Monthly List of Russian Accessions, Library of Congress, December 1952. Unclassified.

CA 12/20 S. Sh M
CULTIVATED PLANTS. Grains. Leguminous Grains.
A.I.S. 1959 Tropical Cereals
FEB 1960 - BIOLGIYA, NO. 4, 1959, No. 15634
AUTHOR Podlinnyayev, V.P.; Soboleva, A.P.
TITLE Ukr. Sci.Res.Inst.of Irrigated Agriculture
Rice with Periodic Waterings.

ORIG. PUP. Byul. nauchno-tokhn. inform. Ukr. n.-i. in-t
eroshayemogo zemled., 1957, No.3, 18-21
ABSTRACT Findings of eight-year experiments of the
Brilevskaya experimental station. The highest
crop-yield of rice, 35.4 centners/hectare,
was obtained under irrigation (11 water-
ings a season on the average) with the mean
watering rate of 420 m³/hectare. In
combating contamination of sowings, the
two-strip method is the most rational
way of seeding. Soil moisture content at the
150-cm layer must be maintained at a 60 %

CARD:

1/2

52

VLASENKO, V.M.; PISAREV, V.F.; SOBOLEVA, A.S.; KHARLAMOV, V.V.;
YUZEOFICH, G.Ye.

Industrial catalytic purification of a nitrogen-hydrogen mixture
by the removal of carbon monoxide and carbon dioxide. Khim.
prom. no.8:583-586 Ag '63. (MIRA 16:12)

AUTHOR: YELINSON,M.I., YASNOPOL'SKAYA,A.A. 109-5-21/22
TITLE: Interdepartmental Seminar for Cathode Electronics. (Mezhdvudomstvennyy seminar po katednoy elektronike, Russian)
PERIODICAL: Radiotekhnika i Elektronika, 1957, Vol 2, Nr 5, pp 666-668
(U.S.S.R.)

ABSTRACT: At the 4. meeting held on the 4.3.1957 lectures were delivered on the autoelectron emission.

- 1.) M.I.YELINSON showed that the present conceptions concerning the molter effect process are not able to explain all known experimental facts. The lecturer suggested a new point of view (explained in detail in Radiotekhnika i Elektronika, 1957, Vol 2, Nr 1, p 75), which is based on an assumed essential heterogeneous potential distribution within the dielectric plate.
- 2.) V.N.SHREDNIK dealt with measurements carried out concerning the zirconium work function in tungsten.
- 3.) A.S.SOBOLEVA spoke about the investigation of autoelectron emission in dependence on hydrogen pressure in a device consisting of a flat anode and a conical or semispherical cathode.
- 4.) V.A.SDIONOV investigated the discharge process in the vacuum in the presence of a subignition spark.

Card 1/2

109-5-21/22

Interdepartmental Seminar for Cathode Electronics.

- 5.) I.N.SLIVKOV described the investigation of breakdown in the vacuum in the case of flat and spherical steel electrodes.
- 6.) A.I.KLIMIN reported on the investigations in the electron projector.
- 7.) G.A.BOGDANOVSKIY spoke about the measuring of resistance on a tungsten contact when opening the electrodes.

ASSOCIATION: Not given

PRESENTED BY:

SUBMITTED: 25.3.1956

AVAILABLE: Library of Congress

Card 2/2

SOBOLEVA, A.S., Cand Tech Sci -- (diss) "Study of
electrical stability of plate-grid chamber of a high-
voltage hydrogen ^{the} thyatron." [Mos] 1958, 9 pp.
(State Committee of ^{the Council} of Ministers USSR ~~for~~ Radio
Electronics. State Union Sci Res Inst) 120 copies
(KL, 21-58, 91)

66702

24.2.120

Authors: Granovskiy, V.L., Luk'yanyanov, S.Yu., Spivak, G.Y. and Sirovenco, I.G.

Title: Report on the Second All-Union Conference on Gas Electronics

Periodicals: Radiotekhnika i elektronika, 1959, Vol. 4, Nr. 8, pp 1359 - 1358 (USSR)

ABSTRACT: The conference was organised by the Ac.Sc.USSR, the Ministry of Higher Education and Moscow State University. T.B. Pospelov - "Methods of Reducing the Energy Lost in the Formation of a Breakdown". N.I. Pavlov and V.I. Gordyushko - "Microdischarges and pre-breakdown Currents Between Metal Electrodes in High Vacuum". V.A. Simonov and G.P. Matukov - "Investigation of the Processes of Initiation and Development of a High-voltage Discharge in Vacuum". B.M. Rykhtunov and G.Y. Smirnitskaya - "The Characteristics of Ignition in Highvacuum in Magnetic Fields". L.V. Tarasov et al. dealt with the transfer of the electrode material during the pre-breakdown stage in vacuum. S.B. Borzenyuk et al. - "The Motion of Micro-particles of Substances During Electric Breakdown in Vacuum". The third section dealt with the applications of electric sparks, corona and their practical applications. It was presided over by I.S. Stekolnikov. The following papers were read:

V.I. Lazikov et al. - "Probe Investigation of the a.c. Corona Field". G.I. Al'ksandrov - "Elementary Processes in the Ionisation Zone of Corona-type Conductors at Atmospheric Pressures". V.A. Bulygin - "Appearance of a Corona Discharge in Hydrogen and Nitrogen". P.M. Chistyakov et al. - "Some Properties of the Corona Discharge in Hydrogen in Contact, Cylindrical System". A.S. Sobolev and B.N. Klyarfeld - "Appearance of Discharge Phenomena Between a Point and a Plane at Gas Pressures of 10^{-5} - 1.0 mm Hg ". Ya.K. Repet - "Methods of Unipolar Ionisation of Air By Means of Auto-Ionisers" (see p 1355 of the Journal). M.P. Vaynshtok et al. - "Visible Spectra of the Addition of a Spark Discharge in Inert Gases" (see p 1354 of the Journal). N.P. Vaynshtok and A.A. Disk - "Production of High Temperatures by Means of Spark Discharges". V.A. Perel'man - "Influence of the Magnetic Field of the Electric Discharge on the Dividing Surface of Two Media". I.S. Stekolnikov - "New Data From the Study of Long Sparks". H.K. Sazanov - "Properties of the Breakdown of Compressed Air in Completely Uniform Field in the Presence of Localised Non-uniformities". A.A. Vorobjev et al. - "Pulse and Oscillorgraphic Techniques for the Measurement of the Discharge Laws in Dielectrics" (see p 1357 of the Journal). A paper by D.M. Goldich deals with the problem of the basic theory of the electric erosion (see p 1350 of the Journal). The fourth section was presided over by S.Yu. Luk'yanyov and was concerned with the non-stationary and low-frequency discharges. The following papers were read: I.G. Nekatherich and A.A. Lubud - "The Nature of the Current Interruption During the Electric Explosion of a Metal Wire". V.A. Simonov - "Propagation of Plasma from Local Pulse Sources".

Card 7/15 Qd. Chichikov et al. - "Observation of an Electro-optical Dynamically Compressed Arc By Means of an Electro-optical Converter".

N.S. Ofoe and Ya.L. Meshabimov - "Investigation of the Radial Electric Field in an Ion Magnetron". V.A. Selyayev and N.I. Romanov - "Experiments with an Electron Model of a System with Magnetic Samples". A.N. Andrianov et al. - "Distribution of Magnetic and Electric Fields in Powerful Pulse Discharges". G.M. Harding (England) - "Spectroscopic Determination of the Plasma Temperature in the ω -Zeta Equipments" (see p 1326 of the Journal). The paper by Harding aroused a lot of interest and Academician I.A. Arshavskiy writes: "the 'Zeta' should be of the same sort kind and according to Harding, the electron current in the ω -Zeta is a writer from that of the ions".

SHEVCHIK, V.N.; SHVEDOV, G.N.; SOBOLEVA, A.V.; Prinimala uchastiyе
TRUBETSKOV, D.I., aspirant; VIMNIKOVA, I.A., red.; ZENIN,
V.V., tekhn. red.

[Oscillatory and wave effects in electron currents at super-
high frequencies] Volnovye i kolebatel'nye iavleniya v elektron-
nykh potokakh na sverkhvysokikh chastotakh. Saratov, Izd-vo
Saratovskogo univ., 1962. 334 p. (MIRA 15:10)
(Microwaves) (Electromagnetic waves) (Microwave tubes)

SOBOLEVA, A.V.

Effect of B, Co and Mn on the nitrogen content of leaves and oil in seeds after their separate and joint use in the foliar feeding of sunflowers. Fiziol. rast. 10 no.6:719-721 N-D '63. (MIRA 17:1)

I. A.M. Gorky Scientific Research Institute of Biology, Kharkov State University.

IA 65/4969

SOLODOV, A. V.

USER/Medicine - Digitalis Therapy Mar 49
Heart, Electrocardiography

"Electrocardiographic Changes Brought About by
Digitalis Therapy," A. V. Sovoleva, Faculty
Clinic of Therapeutics, First Leningrad Med
Inst imeni Acad I. P. Pavlov, 5 3/4 pp

"Klin Med" No 3

Discusses various changes in the auricular and
ventricular complexes in different types of
cardiopathy. Appearance of single extrasystoles
and moderate retardation of auriculoventricular
conduction does not call for interruption of

65/4969

USER/Medicine - Digitalis Therapy Mar 49
(Contd)

the treatment, nor are changes in the ends of
the ventricular complexus contraindications.
The changes are due to other sources of dis-
turbance.

65/4969

SHERMAN, S. G.; SOBOLEVA, A. V.; VELIKSON, I. M.; MAKHLINA, V. B.

Lungs - Diseases

Clinico-functional method of determination of the state of respiratory insufficiency in chronic non-tuberculous pulmonary diseases. Klin. mei. 30 no. 4, 1952.

Monthly List of Russian Accessions, Library of Congress, September 1952. UNCLASSIFIED.

SOBOLEVA, A.V.

Certain cardiovascular function tests in chronic coronary insufficiency. Klin. med., Moskva 30 no. 6:70-75 June 1952.(CLML 22:5)

1. Candidate Medical Sciences. 2. Of Leningrad Scientific-Research Institute for Certification of Working Capacity and Work Placement of Invalids (Director -- Prof. V. M. Shaverin).

IVANOV, A.A.; KOSINSKAYA, N.S.; SOBOLEVA, A.V.; SADOF'YEV, A.I.; KHRUSTINA,
S.B.

Evaluation and prognosis of working capacity in cases of late
sequelae of heart wounds. Sov.med. 20 no.12:8-14 D '56. (MLRA 10:1)

1. Iz Leningradskogo nauchno-issledovatel'skogo instituta ekspertizy
trudospособности и трудаустроиства инвалидов. (dir. - dotsent A.A.
Ivanov)

(HEART, wounds and injuries
estimation & progn. of work capacity)

(WORK, in various dis.
capacity, estimation & progn. in wds. of heart)

IVANOV, A.A.; SOBOLEVA, A.V. (Leningrad)

Electrocardiographic changes in late sequelae of heart trauma.
Klin.med. 34 no.10:20-27 0 '56. (MLRA 10:1)

1. Iz Leningradskogo nauchno-issledovatel'skogo instituta ekspertizy
trudosposobnosti i trudoustroystva invalidov.
(HEART, wounds and inj.
late seq. ECG)
(ELECTROCARDIOGRAPHY, in various dis.
late seq. of trauma of heart)

SOBOLEVA, A.V. (Leningrad)

Late electrocardiographic changes following pneumonectomy and
partial resection. Report No.1. Klin.med. 35 no.6:77-83 Je '57.
(MLRA 10:8)

1. Iz Leningradskogo nauchno-issledovatel'skogo instituta eksperizy
trudosposobnosti i trudoustroystva invalidov (dir. - dotsent A.A.
Ivanov [deceased])

(PNEUMONECTOMY

ECG in remote postop. periods)

(ELECTROCARDIOGRAPHY

in remote periods after pneumonectomy)

PIS'MENNYY, Rafail Yakovlevich; SOBOLEVA, Antonina Vasil'yevna;
SHTUTSER, N.V., red.; BOGACHEVA, Z.I., tekhn.red.

[Electrocardiography in disability evaluation] Elektro-
kardiografiia v praktike ekspertizy trudosposobnosti.
Moskva, Gos.izd-vo med.lit-ry, 1959. 155 p. (MIRA 12:8)
(DISABILITY EVALUATION) (ELECTROCARDIOGRAPHY)

SOBOLEVA, A.V., kand.med.nauk

Condition of the myocardium in chronic nonspecific pneumonia
as revealed by electrocardiographic data. Trudy LIETIN 2:97-
105 '59. (MIRA 13:7)
(PNEUMONIA) (HEART) (DISABILITY EVALUATION)

SOBOLEVA, A.V., kand.med.nauk

Significance for disability evaluation of dystrophic changes
in the myocardium in bronchiectasis. Trudy LIETIN 2:106-111
'59. (MIRA 13:7)
(DISABILITY EVALUATION) (HEART) (BRONCHIECTASIS)

KHVILIVITSKAYA, Mariya Iosifovna. Prinimali uchastiye: ADAMOVA, A.V.; BO-GOMAZOVA, V.P.; KALININA, Ye.V.; LIKHNITSKAYA, I.I.; MIKIRTUMOVA, Ye.V.; MIKHAYLOVA, N.F.; NIKIFOROVA, O.A.; SADOF'YEV, A.I.; SEL'KOV, Ye.A.; SOBOLEVA, A.V.; UL'YANOVA, L.S.; KHRUSTINA, S.B.; DEMBO, A.G., red.; KHARASH, G.A., tekhn. red.

[Adjustment of the body following pulmonary resection] O prisposobliaemosti orgsnizma posle rezektsii legkogo. Leningrad, Gos. izd-vo med. lit-ry Medgiz, 1960. 170 p. (MIRA 14:9)

1. Kollektiv klinicheskogo otdela Leningradskogo nauchno-issledovatel'skogo instituta ekspertizy trudosposobnosti i organizatsii truda invalidov (for all except Khvilivitskaya, Dembo, Kharash).
(LUNGS—SURGERY)

SOBOLEVA, A.V., kand.med.nauk

Characteristics of the electrocardiogram in hypertension in
elderly and semile persons. Trudy LIETIN no.4:124-131 '60.
(MIRA 16:2)
(GERIATRICS) (HYPERTENSION) (ELECTROCARDIOGRAPHY)

BALONOV, L.Ya.; SOBOLEVA, A.V.

Cardiac' conditioned reflexes during various forms of atrioventricular
block. Zhur. vys. nerv. deiat. 10 no. 5:676-684 S-O '60.
(MIRA 13:12)

1. Institut evolyutsionnoy fiziologii im. I.M. Sechenova Akademii
nauk SSSR i Leningradskiy institut trudoustroystva i trudovoy
ekspertizy.
(HEART BLOCK) (CONDITIONED RESPONSE)

SOBOLEVA, Antonina Vasil'yevna; KEDROV, A.A., red.

[Electrographic methods of examination in the expertise for work capacity in diseases of the cardiovascular system; methodological fundamentals] Elektrograficheskie metody issledovaniia v ekspertizе trudosposobnosti pri zabolеваниakh serdechno-sosudistoi sistemy; metodicheskie osnovy. Leningrad, Meditsina, 1964. 94 p.
(MIRA 17:6)

SOBOLEVA, A.V., starshiy nauchnyy sotrudnik

Electrocardiographic data in coronary atherosclerosis in elderly
and senile persons. Trudy LIETIN no.16:236-241 '64.
(MIRA 19:1)

1. Leningradskiy nauchno-issledovatel'skiy institut ekspertizy
trudospособности и организации труда инвалидов.

ACC NR: AR7000946

SOURCE CODE: UR/0275/66/000/011/A016/A016

AUTHOR: Sobolev, G. H.; Soboleva, A. V.

TITLE: Some specific features of the mechanism of changing the frequency by voltage in solid-plate magnetrons

SOURCE: Ref. zh. Elektronika i yeye primeneniye, Abs. 11A113

REF SOURCE: Sb. Vopr. elektron. sverkhvysok. chastot. Vyp. 2, Saratov, Saratovsk, un-t, 1966, 116-128

TOPIC TAGS: magnetron, electron energy, frequency change, solid plate magnetron

ABSTRACT: The tubes investigated differ in the design of the output terminal (O). The latter has the shape of a slot with a strip line in the glass version, or of a symmetrical crown in the metallic version. The following results were obtained: 1) in all the tubes, the dependence of frequency on voltage is of a linear nature. Frequency changes can be made within a wide range. Measurements with a matched load, yield oscillations of one mode in tubes with pin type output terminals. Vari-

UDC: 621.385.64

Card 1/2

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type locality in continental areas in the process of their formation over the influence of topography, with the sand and silt derived from them. *Urechites* occurs chiefly; *Micri-* (1924, p. 21) *Reticulites* also.

1. and 2nd year students' first logical matriculation No. 1000. Submitted
by student of Institute of Khar'kovskogo gospodarstvennogo
universiteta A.M.Gor'kova. Submitted July 27, 1941.

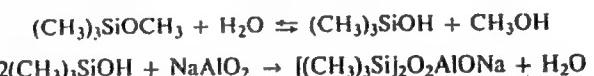
S/079/62/032/007/002/007

AUTHORS: Kreshkov, A. P., Myshlyayeva, L. V. and Soboleva, D. A. 1032/I232

TITLE: An investigation of the interaction of trimethyl-methoxysilane with an aqueous alkaline solution of sodium aluminate

PERIODICAL: Zhurnal obshchei khimii, v. 32, no. 7, 1962, 2190-2193

TEXT: The reaction of trimethyl-methoxysilane with sodium aluminate in an aqueous solution leads, under certain conditions, to the formation of a crystalline product, sodium bis-(trimethylsilyl)-aluminate. The reaction mechanism is described as:



A side reaction of condensation of trimethyl-silanol into hexamethyl-disiloxane takes place.

The method of preparation of sodium bis-(trimethylsilyl)-aluminate, and the product obtained, results of its structure determination by X-rays, its infra red spectrum, and its properties are given. It crystallises in the form of needles. The birefringent crystals are light polarising; could not be fused, and carbonised when heated. There are 3 figures and 1 table.

ASSOCIATION: Moskovskii khimiko-tehnologicheskii institut im. D. I. Mendeleyeva (Moscow Chemical-Technological Institute im. D. I. Mendeleyev)

SUBMITTED: July 10, 1961

Card 1/1

S/020/63/148/004/020/025
B144/B101

AUTHORS: Kreshkov, A. P., Myshlyayeva, L. V., Soboleva, D. A.
TITLE: Synthesis of tris-(triphenyl-siloxy) aluminum and tetra-(triphenyl-siloxy) sodium polyalumoxane
PERIODICAL: Akademiya nauk SSSR. Doklady, v. 148, no. 4, 1963,
843-845.

TEXT: Monomeric tris-(triphenyl-siloxy) aluminum (I) was economically synthesized for the first time from 0.02 M triphenyl-ethoxy silane (II) and 11 g sodium aluminate solution (III): $(C_6H_5)_3SiOC_2H_5 + H_2O \rightarrow (C_6H_5)_3SiOH + C_2H_5OH$; $3(C_6H_5)_3SiOH + NaAlO_2 \rightarrow [(C_6H_5)_3SiO]_3Al + NaOH + H_2O$. A mixture of II obtained by distillation in vacuo at 196-201°C and reprecipitation with petrol ether, along with III containing 19.2% Al_2O_3 and 20.3% Na_2O , was stirred for 40 min without heating and then for 4.5 hrs at 50-60°C. I forming at the surface of the mixture as a white solid substance was separated. The yield was 35% (related to II)

Card 1/3

S/020/63/148/004/020/025
B144/B101

Synthesis of tris-(triphenyl-siloxy) ...

and 1 - 2 (related to the molar Si:Al ratio). I is a nonmelting powder, soluble in diethyl ether and benzene and resistant to alkalies and heat. The product recovered in the filter after extraction of I contained 12.59% SiO₂, 17.96% Al₂O₃, 7.68% Na₂O, 46.34% C and 5.20% H. This yielded the formula $\left[\left(C_6H_5\right)_3SiO\right]_2AlO\left[Al-O\right]_5Al\left[\left(C_6H_5\right)_3SiO\right]_2 \cdot 18H_2O$ for

tetra-(triphenyl-siloxy) sodium polyalumoxane (IV), a white powder insoluble in organic solvents and stable to alkalies; yield 55 - 60%. The new substances were subjected to thermal, spectral and x-ray analyses. The thermogram of I revealed 3 exothermic effects corresponding to a subsequent splitting-off of the triphenyl-siloxy groups at 500, 600, and 700°C. This is confirmed by the thermogram of IV which shows two exothermic effects due to the 2 triphenyl-siloxy groups bound to Al and 1 endothermic effect produced by dehydration. The IR spectra indicated an absorption maximum at 1065 cm⁻¹ characteristic of the SiOAl group and further maxima at 700, 740, 997, 1123, 1432, and 1596 cm⁻¹ which are indicative of phenylated silanes and siloxanes. X-ray analysis showed that I and IV have crystalline structure. There are 2 figures.

Card 2/3

Synthesis of tris-(triphenyl-siloxy) ...

S/020/63/148/004/020/025
B144/B101

ASSOCIATION: Moskovskiy khimiko-tehnologicheskiy institut im.
D.I. Mendeleyeva (Moscow Institute of Chemical Technology
imeni D.I. Mendeleyev)

PRESENTED: July 2, 1962, by A.N. Nesmeyanov, Academician

SUBMITTED: June 10, 1962

Card 3/3

L 23512-65 EWT(m)/EPP(c)/EWP(w)/EPR/EWP(j)/T Pr-4/Pc-4/Ps-4 WW/RM

ACCESSION NR: AP4047126

S/0080/64/037/010/2278/2283

AUTHOR: Kreshkov, A. P.; Myashlyayeva, L. V.; Soboleva, D. A.

3

TITLE: The reactions of certain alkyl-alkyloxy silanes with aqueous alkali zincate and beryllate solutions

SOURCE: Zhurnal prikladnoy khimii, v. 37, no. 10, 1964, 2278-2283

TOPIC TAGS: alkylalkyloxysilane, alkylsilanolate zincate, alkylsilanolate beryllate, impregnant, surfactant impregnant, glass cloth impregnant

ABSTRACT: The reactions of trimethylmethoxy silane (I) and of dimethyldimethoxysilane (II) with aqueous alkali solutions of sodium zincate (III) and sodium beryllate (IV) were investigated. Reactions of I with III and IV within a wide molar ratio of the reactants (Si:Zn(Be) = 2:1, 1:1, 1:2 and 1:3) all gave products having the molecular compositions $6(\text{CH}_3)_3\text{SiONa} \cdot \text{Na}_2\text{ZnO}_2 \cdot 3\text{OH}_2\text{O}$ (sodium monozincate of 6-trimethylsilanolate), and $3(\text{CH}_3)_3\text{SiONa} \cdot \text{Na}_2\text{BeO}_2 \cdot 22\text{H}_2\text{O}$ (sodium monoberyllate of 3-trimethylsilanolate), respectively. The

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L 23512-65

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ACCESSION NR: AP4047126

$3(\text{CH}_3)_2\text{Si}(\text{OH})\text{ONa}$, $\text{Na}_2\text{ZnO}_2 \cdot 10\text{H}_2\text{O}$ (sodium monozincate of 3-dimethylhydroxyl-silanolate) and $3(\text{CH}_3)_2\text{Si}(\text{OH})\text{ONa}$, $\text{Na}_2\text{BeO}_2 \cdot 22\text{H}_2\text{O}$ (sodium monoberyllate of 3-dimethylhydroxysilanolate) were obtained by reaction of II with III and IV solutions only when the reactant molar ratio was such that Si:Zn(Be) was 4:1. Other reactant ratios gave mixtures of products of variable compositions. The obtained products were subjected to IR spectroscopic, ionizing x-ray and microcrystalline analyses. The products could be applied to cotton and glass cloth as impregnants in the form of aqueous alcoholic solutions to reduce their adhesion to polymeric materials such as polyvinyl chloride. Orig. art. has: 4 figures

15

ASSOCIATION: None

SUBMITTED: 02Oct62

ENCL: 00

SUB CODE: OC, GC

NO REF SOV: 010

OTHER: 001

Card 2/2

L 53889-65 EWT(m)/EPF(c)/EWP(j)/EWA(c)
ACCESSION NR: AP5014166

Pc-l/Px-1 JW/RM
UR/0080/65/038/005/1170/1171
547.245

AUTHOR: Myshlyayeva, L. V.; Soboleva, D. A.

TITLE: Synthesis of poly(triphenylsiloxyalumooxydiphenylcyclooxane)

SOURCE: Zhurnal prikladnoy khimii, v. 38, no. 5, 1965, 1170-1171

TOPIC TAGS: polymer, silane, aluminum, organo metallic compound, heterocyclic polymer, resin

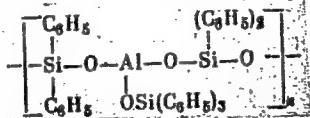
ABSTRACT: Poly(triphenylsiloxyalumooxydiphenylcyclooxane) was synthesized by adding 8 g of alkaline aqueous solution of sodium aluminate (containing 19.2% Al₂O₃ and 20.3% Na₂O) to a mixture of 3 g of triphenylethoxysilane and 2.7 g of diphenyl-diethoxysilane. The reaction mixture was agitated for 2 hours at room temperature and then for 6 hours at 50-60°C. Two products were obtained: a solid benzene-insoluble powder with empirical formula C₃₀H₂₉Si₂Al and a benzene soluble resin with empirical formula C₃₀H₂₉Si₂Al. Both of these products as well as a by-product of the synthesis of tris-(triphenylsiloxy) aluminum (A. P. Kreshkov, et al., Dokl. Akad. Nauk SSSR, 148, 4, 843, 1963) with empirical formula C₁₂₀H₁₁₀Si₈Al₄ are

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L 53889-65

ACCESSION NR: AP5014166

noncrystalline according to X-ray examination. The IR absorption spectra of all these three products are identical. A maximum at 1080 cm^{-1} indicates Si-O-Al group and maxima at frequencies of 700, 740, 997, 1123, and 1432 cm^{-1} are characteristic for diphenylsilanes. It is postulated on the basis of the above information that the basic structural unit of these three compounds is:



Orig. art. has: 1 table and 2 formulas.

ASSOCIATION: none

SUBMITTED: 10Nov63

NO REF SOV: 004

ENCL: 00

OTHER: 000

SUB CODE: GC, OC

Card 2/2

LEVITSKIY, V.N., inzh.; SOBOLEVA, E.G., inzh.

Experimental dynamic characteristics of the TP-80 boiler -TPT-
50 turbine block. Teploenergetika 9 no.11:34-36 N '62. (MIRA 15:10)

1. TSentral'nyy nauchno-issledovatel'skiy institut kompleksnoy
avtomatizatsii. (Steam turbines--Testing)

VOYTKEVICH, A.A.; SOBOLEVA, E.L.

Data on the histophysiology of the intermediate lobe of the hypophysis
in connection with hypothalamic neurosecretion. Biul. eksp. biol. i
med. 3[i.e.53] no.3:96-102 Mr '62. (MIRA 15:4)

1. Iz kafedry histologii i embriologii (zav. - chlen-korrespondent
AMN SSSR prof. A.A.Voytkevich) Voronezhskogo meditsinskogo instituta.
(PITUITARY BODY) (HYPOTHALAMUS)
(NEUROCHEMISTRY)

VOYTKEVICH, A.A.; SOBOLEVA, E.L.

Cytological analysis of the secretory process in the anterior
lobe of the frog hypophysis. Tsitologiya 4 no.6:626-632 N-D'62
(MIRA 17:3)
1. Kafedra gistologii Voronezhskogo meditsinskogo instituta.

SOBOLEVA, E.L.

Effect of experimental influences on the adrenal gland on
changes in the intermediate lobe of the pituitary body. Dokl.
(MIRA 16:5)
AN SSSR 149 no.5:1237-1240 Ap '63.

1. Voronezhskiy gosudarstvennyy meditsinskiy institut.
Predstavлено академиком V.N.Chernigovskim
(PITUITARY BODY) (ADRENAL GLANDS)

SOBOLEV, E.L.

Cytological cycle of the intermediate lobe of the pituitary
gland in a frog. Dokl. AN SSSR 158 no.1:245-248 S-0 '64
(MIRA 17:8)

1. Voronezhskiy meditsinskiy institut; Laborator'ya ekspe-
rimental'noy endokrinologii AMN SSSR. Predstavлено akademi-
kom A.L. Kursanovym.

ZHUSHMAN, A.I.; Prinimali uchastiye: SOBOLEVA, F.I.; DOROFYEVA,
T.Ye.; LISINA, L.G.

Studying the processes occurring in the removal by fermentation
of the carbohydrate admixture from wheat and corn gluten. Trudy
TSNIKPP no.5:38-47 '63. (MIRA 16:7)

(Gluten) (Fermentation) (Carbohydrates)

SOBOLEVA G. A.

USSR/ Physics - Spectral analysis

Card 1/1 Pub. 43 - 36/97

Authors : Soboleva, G. A.

Title : Intensity distribution in spectral lines and the illumination of the spectrograph aperture

Periodical : Izv. AN SSSR. Ser. fiz. 18/2, 266-267, Mar-Apr 1954

Abstract : A study of the intensity distribution in spectral lines of the ISP-22 spectrograph showed that uniform distribution within the lines, regardless of the width of the aperture, can be obtained by sharp reflection of the condenser lens source on the aperture of the spectrograph. Other illumination methods are mentioned at which uniform intensity distribution can be achieved. The basic condition appears to be the equality between the illumination and collimator apertures. Further increase in the illumination aperture was found to lead to the expansion of spectral lines and deterioration in the quality of the spectrum.

Institution : Institute of Precision Mechanics and Optics, Leningrad

Submitted :

SOBCEVA, T. A.

"Spectrum and Energetic Properties of the Discharge of a DG-1 Generator under Various
Operating Conditions." (in Higher Education USSR, Leningrad Inst Precise Mechanics and Op-
tics, Leningrad, 1955
(Dissertation for the Degree of Candidate of Technical Sciences)

SO: Knizhnaya Letopis', No. 32, 6 Aug 55

SOBOLEVA, G.A.

Investigation of the DG-1 spark generator's performance. Izv.
AN SSSR. Ser. fiz. 19 no.1:74-75 Ja-F '55. (MLRA 8:9)

1. Leningradskiy institut tochnoy mekhaniki i optiki
(Spectrum analysis) (Spectrometer)

~~24(7) 24.3420~~

66206

SOV/146-58-6-12/16

AUTHOR: Soboleva, G.A., Candidate of Technical Sciences

TITLE: Research of Heat Influence on the Spectra Lines Position in Spectrographs ISP-22 and ISP-28

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Priborostroyeniye, 1958, Nr 6, pp 93-99 (USSR)

ABSTRACT: The photoelectric method of spectra registration has a number of advantages as compared with the photographic method, and is, therefore, extensively applied. The spectrographs ISP-22 and ISP-28, produced in the USSR, are the most popular in spectral analysis. One of the causes of accuracy diminishing in the photoelectric method is the instability of the spectra position when changing the spectrograph component temperature. The objective of this article is to research the question of temperature influence on the spectra position. The spectrograph prism is made of quartz. The thermal coefficient of linear expansion of quartz varies, depending on temperature; the same applies to its exponent of refraction. These changes

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SOV/146-58-6-12/16

Research of Heat Influence on the Spectra Lines Position in Spectrographs ISP-22 and ISP-28

of quartz optical properties entail a variation of the deviation angle (δ) of the rays that go out of the prism, and cause displacement of spectral lines on the photographic plates. Dependence between the angle (δ) and the increase of temperature (Δt) is expressed by formula

$$\Delta\delta_\lambda = \frac{d\delta_\lambda}{dt} \cdot \Delta t$$

It is to be noted that a regular displacement of spectral lines on the plate takes place only at the uniform heating of the instrument. An unequal heating of the spectrograph causes an uncontrolled displacement of lines, which may lead to errors in performing the spectral analysis. There are 3 graphs, 3 tables, and 3 references, 2 of which are Soviet and 1 German.

ASSOCIATION:

Leningradskiy institut tochnoy mekhaniki i optiki (Leningrad Institute of Precision Mechanics and Optics)

SUBMITTED:
Card 2/2

February 19, 1958

SOBOLEVA, G. A.

USSR/Chemistry - Biochemistry

Card : 1/1
Authors : Zaprometov, M. N. and Soboleva, G. A.
Title : Investigation of catechin conversions during fermentation of tea by the method of paper-chromatography
Periodical : Dokl. AN SSSR, 96, Ed. 6, 1205 - 1208, June 1954
Abstract : Paper-chromatography was applied in the study of catechin conversions taking place during the process of tea leaf fermentation. During the fermentation of tea leaves the tannic complex is subjected to enzymatic oxidation under the effect of polyphenoloxidase. This oxidation is followed by an increase in molecular weight of the tannic acid and its partial conversion into an insoluble form. Eighteen references. Table, graphs.
Institution : Acad. of Sc. USSR, The A. N. Bakh Institute of Biochemistry
Presented by : Academician A. L. Kursanov, March 4, 1954

BOKUCHAVA, M.A.; SOBOLEVA, G.A.

Synthesis and transformation of organic acids in tea seedlings
[with summary in English]. Fiziol. rast. 5 no.1:70-74 Ja-F '58.

1. Institut biokhimii im. A.N. Bakha AN SSSR, Moskva.
(Tea) (Acids, Organic) (MIRA 11:1)

BOKUCHAVA, M.A., SOBOLEVA, G.A., KNYAZEVA, A.M.

Transformation of tea leaf catechins brought about by high temperatures [with summary in English]. Biokhimia 23 no.2
266-268 Mr-Ap '58
(MIRA 11:6)

1. Institut biokhimii im. A.N. Bakha AN SSSR, Moskva.
(HEAT, effects
transform. of catechins in tea leaves (Rus))
(TEA,
heat causing transform. of catechins in tea leaves
(Rus))
(PHENOLS.
catechins in tea leaves, transform. caused by heat
(Rus))

SHIPALOV, M.S., BOKUCHAVA, M.A., SOBOLEVA, G.A.

Using a debsutineter in quantitative determination of catechins
separated by paper chromatography.[with summary in English].
Biokhimia 23 no.3:390-394 My-Je '58
(MIRA 11:8)

1. Institut biokhimii im. A.N. Bakha AN SSSR, Moskva.
(PYROCATCHOL, determination
chromatography with densimetric quantitative determ. (Bus))

SOBOLEVA, G.A.

Quantitative determination of catechols by densitometry. Biokhim.
chain.proizv. no.7:176-181 '59. (MIRA 13:5)

1. Institut biokhimii im. A.N. Bakha AN SSSR, Moskva.
(TEA) (CHROMATOGRAPHIC ANALYSIS) (CATECHOL)

SOROLYVA, G. A. (USSR)

"Formation and Reaction of Organic Acids in the Tea Plant."

Report presented at the 5th International Biochemistry Congress,
Moscow, 10-16 Aug 1961

SOBOLEVVA, G.A.

Study of the organic acids of the tea plant. Biokhim. chain. proizv.
no.9:20-26 '62. (MIRA 16:4)

1. Institut biokhimii imeni A.N.Bakha SSSR, Moskva.
(Acids, Organic) (Tea)